

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/084770 A3

(51) International Patent Classification⁷: A63H 33/10,
33/04

(21) International Application Number:
PCT/GB2005/000760

(22) International Filing Date: 2 March 2005 (02.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0405157.9 6 March 2004 (06.03.2004) GB

(71) Applicant and

(72) Inventor: WARNER, Timothy, John [GB/GB]; Riverside House, 1 Michael's Court, Scarning, Dereham NR19 2NL (GB).

(74) Agent: KEITH W NASH & CO.; 90-92 Regent Street, Cambridge CB2 1DP (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GQ, GW, ML, MR, NE, SN, TD, TG).

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

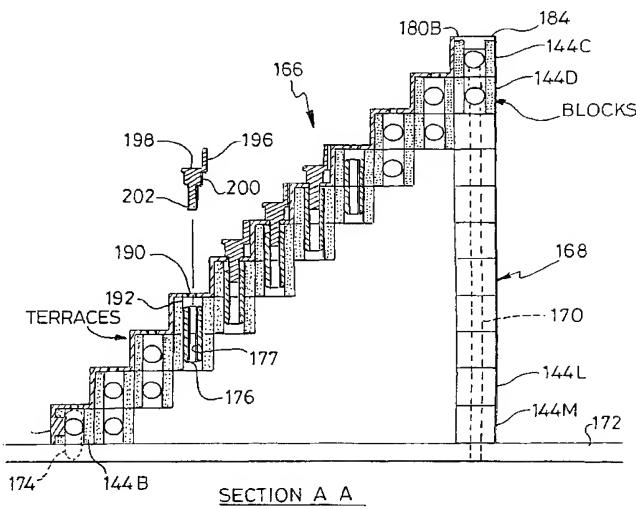
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
19 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS RELATING TO PARTS FOR CONSTRUCTION KITS



(57) Abstract: A toy construction kit of the type comprising apertured +ocks and pegs for joining them together. The kit comprises a baseboard, pegs, and four different types of block, and a plurality of panels of stepped cladding. Protruding pegs allow them to be fitted to a skeleton support structure built of +ocks rising upwardly and away from a central region of the baseboard in the form of terraces around the central region. The four different types of +Ak comprise four-element and two-element solid rectilinear blocks, two-element solid regular trapezoidal corner blocks, and infill corner +ocks. Each of the latter comprises a solid rectilinear shape with a solid triangular extension at one end, with an overall length not greater than that of a two-element regular trapezoidal +Ak. A single element is a cube containing a central opening in each face and an N-element rectilinear +Ak has a length equal to N such elements arranged end to end. A hinge for joining two +ocks together comprises a rectangular plastics plate divided into two parts by a strip hinge extending

across the plate. One part pivots relative to the other by bending about the line of the strip hinge and each half includes at least one protruding peg for fitting it to a +Ak. Some pegs include a flange, so that two +ocks joined thereby are spaced apart in the same way as bricks are spaced by mortar joints. The pegs may be cylindrical and hollow, and the cylindrical wall is cutaway along its length to form a gap in its circumference extending from one end to the other to impart resilience to the peg. Some +ocks are cut away at one end on two opposite side faces to form a reduced width rebated end, and one end of other of the +ocks is cutaway to form a bifurcated end to slidingly receive the rebated end of another +Ak. A peg pushed through aligned holes in the rebated and bifurcated ends serves as a pivot and allows one +Ak to hinge relative to the other. A model stadium, arena or open air theatre assembly can be constructed from such a kit of parts.

WO 2005/084770 A3